FUJITSU

Halcyon HFI
Hybrid Flex Inverter

Hybrid Flex Inverter Systems

Dual, Tri and Quad Zone Mix & Match Flexibility

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ

MULTI ZONE
MINI-SPLIT SYSTEMS

Revolutionary Halcyon HFI systems are changing the way we define comfort

Multi
18, 24, 36,000 BTUs

- Operate as few as one indoor unit or all indoor units
- Choose from 4 indoor unit styles - wall mount including new RLF1 models and Designer Series RLS2 models, slim duct, compact cassette, and floor mount
- Four combinations are ENERGY STAR® Qualified
- Create over 2,028 combinations based on indoor type and BTU
- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- No branch boxes or separation tubes required

7 Year Compressor 5 Year Parts WARRANTY

INVERTER

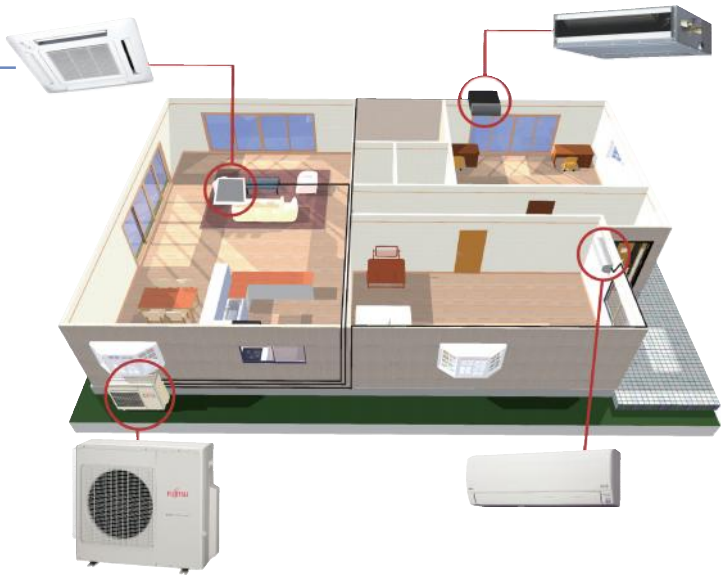
Refrigerant R410A

multi
18, 24, 36,000 BTUs

Hybrid Flex Inverter System
Zoned Mix and Match Flexibility

AOU18RLXFZ, AOU24RLXFZ, AOU36FLXFZ

Contractors can select either an 18, 24 or 36,000 BTU outdoor unit combined with wall mounted, slim duct, compact cassette or floor mount type indoor units. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased. These systems are ideal for nursing homes, doctor's offices, condominiums, apartments and residences - any place where individual cooling or heating is needed.



Features

- **Part of the Halcyon Hybrid Flex Inverter (HFI) Line**
  As part of the HFI line of components, indoor units are compatible with other HFI outdoor units, meaning mix and match capabilities with fewer components.

- **A Tri-Zone 24,000 BTU Unit**
  Fujitsu offers a 2-ton system that provides 2 or 3-zone flexibility. By using connectable capacity, this system allows up to three 9,000 BTU units.

- **No Branch Boxes or Separation Tube Assemblies**
  While the 8-zone AOU48RLXFZ1 model requires both branch boxes and separation tube assembly kits, the smaller zoned units - AOU18, 24 and 36RLXFZ ***do not require them***.

- **Pricing Compared to Competition**
  Additional outdoor units provides better matched BTU capacity with indoor units. By better matching the outdoor unit to the indoor capacity a better system value is achieved.

- **High Efficiency Systems**
  Up to 18-SEER in efficiency, these units are 22% more efficient than 14-SEER competing multi-zone systems.

- **Why Choose an 18,000 BTU Zoned System?**
  A lower BTU dual zone is often the perfect solution to a comfort need. A consumer shouldn't have to purchase a higher priced larger unit when only 14 to 18,000 BTU's are needed.

- **Connectable Capacity**
  Our 3 outdoor units provide systems from 14,000 to 39,000 BTU. Some connectable capacity is provided to allow increased combinations and flexibility. All indoor units can operate at once, how ever if all the evaporators are calling for cooling or heating at the same time it will decrease the capacity of each evaporator not to exceed the condenser's capacity. As zones meet desired set point the system's other evaporators increase output up to the evaporator's rated capacity.

  For example: The load on a 3-bedroom home with a living room and kitchen downstairs and 3 bedrooms upstairs is 39,000 BTUs (21,000 BTU downstairs and 18,000 BTU upstairs). However the family isn't upstairs and downstairs at the same time, therefore not all units will be running simultaneously allowing 100% heating or cooling to occupied spaces. This can be achieved by our AOU36RLFXZ outdoor unit.

Halcyon HFI Hybrid Flex Inverter

Individual Zoning: Personalized Whole Home Comfort

Halcyon HFI Systems are some of today's most advanced forms of heating and air conditioning. Multi-zone outdoor units can operate from 2 to 4 indoor units simultaneously. Fujitsu's HFI Systems are super quiet as well as highly energy efficient. Choose from 4 indoor unit styles.

Wall Mounted

They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.

- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills

Slim Duct

Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency

Compact Cassette

Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

Floor Mounted

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control

Mix and Match Flexibility

Multi
18, 24, 36,000 BTUs

AOU18RLXFZ

AOU24RLXFZ

AOU36RLXFZ

The ability to create the right combinations, the right quantity (up to 8-zones), the right style indoor units, and the right capacity.

It's the RIGHT choice for your home or business.

Wall Mounts

ASU7, 9, 12RLF1

ASU9, 12RLS2

ASU15RLS2

ASU18RLF

ASU24RLF

Slim Ducts

ARU7, 9, 12RLF

ARU18RLF

ARU24RLF

Floor Mounts

AGU9, 12RLF

AGU15RLF

Compact Cassettes

AUU7, 9, 12RLF

AUU18RLF

Halcyon HFI
Hybrid Flex Inverter

Wall Mounted 7, 9, 12, 18 and 24,000 BTUs

ASU7RLF1, ASU9RLF1, ASU9RLS2, ASU12RLF1, ASU12RLS2, ASU15RLS2, ASU18RLF, ASU24RLF

ASU7, 9, 12RLF1

ASU18, 24RLF

ASU9, 12, 15RLS2

	ASU7RLF1 Heat Pump NEW!	ASU9RLF1 Heat Pump NEW!	ASU12RLF1 Heat Pump NEW!	ASU18RLF Heat Pump	ASU24RLF Heat Pump	Designer Series ASU9RLS2 Heat Pump*	ASU12RLS2 Heat Pump*	ASU15RLS2 Heat Pump*
Nominal Cooling *BTU/h*	7,000	9,000	12,000	18,000	24,000	9,000	12,000	14,000
Nominal Heating *BTU/h*	8,100	10,200	13,500	20,000	27,000	10,200	13,500	16,300
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Air Circ. *C.F.M. (m³/h)*: Hi	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 542 (920) Htg 542 (920)	Clg 659 (1,120) Htg 647 (1,100)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 418 (710) Htg 418 (710)
Medium	Clg 294 (500) Htg 294 (500)	Clg 306 (520) Htg 306 (520)	Clg 330 (560) Htg 330 (560)	Clg 436 (740) Htg 436 (740)	Clg 530 (900) Htg 530 (900)	Clg 324 (550) Htg 324 (550)	Clg 353 (600) Htg 353 (600)	Clg 377 (640) Htg 377 (640)
Low	Clg 253 (430) Htg 253 (430)	Clg 253 (430) Htg 253 (430)	Clg 265 (450) Htg 277 (470)	Clg 365 (620) Htg 365 (620)	Clg 436 (740) Htg 436 (740)	Clg 277 (470) Htg 277 (470)	Clg 312 (530) Htg 312 (530)	Clg 336 (570) Htg 347 (590)
Quiet	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 324 (550) Htg 324 (550)	Clg 365 (620) Htg 365 (620)	Clg 194 (330) Htg 194 (330)	Clg 194 (330) Htg 194 (330)	Clg 230 (390) Htg 253 (430)
Noise Level *dB(A)* (Clg/Htg): Hi	36/36	37/37	40/40	43/44	49/48	36/36	37/37	41/41
Medium	32/32	33/33	36/36	37/37	42/42	32/32	34/34	36/36
Low	29/29	29/29	30/31	33/33	37/37	28/28	31/31	33/34
Quiet	21/22	21/22	21/22	31/31	33/33	21/21	21/21	25/27
Running Current *Rated (A)*: Cooling	0.13	0.15	0.19	0.32	0.53	0.14	0.17	0.20
Heating	0.13	0.15	0.19	0.32	0.53	0.14	0.17	0.20
Power Use *Rated (w)*: Clg	15	17	22	41	69	16	19	23
Htg	15	17	22	41	69	16	19	23
Fan Speeds Stage	4+auto	4+auto	4+auto	4+auto	4+auto	4+auto	4+auto	4+auto
Air Direction: Horizontal	Manual	Manual	Manual	Auto	Auto	Manual	Manual	Manual
Vertical	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Primary Air Filter	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable
Ion Deodorizing Filter	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Apple-Catechin Filter	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Connection Method	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
Conn. Pipe Diameter *Inch*	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4
Net Weight *lbs. (kg)*	19 (8.5)	19 (8.5)	19 (8.5)	31 (14)	31 (14)	21 (9.5)	21 (9.5)	21 (9.5)
Dims: Height *Inch (mm)*	10-1/2 (268)	10-1/2 (268)	10-1/2 (268)	12-5/8 (320)	12-5/8 (320)	11-1/8 (282) 13-1/4^ (337^)	11-1/8 (282) 13-1/4^ (337^)	11-1/8 (282) 13-1/4^ (337^)
Width *Inch (mm)*	33-1/16 (840)	33-1/16 (840)	33-1/16 (840)	39-1/4 (998)	39-1/4 (998)	34-1/4 (870)	34-1/4 (870)	34-1/4 (870)
Depth *Inch (mm)*	8 (203)	8 (203)	8 (203)	9 (228)	9 (228)	7-1/4 (185)	7-1/4 (185)	7-1/4 (185)
Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A

* ESP feature not compatible in multi-zone configurations. ^Height when front panel is open.

Standard Features

- Wireless Remote Control*
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- 24-Hour Timer
- Dry Mode
- Auto Louver: 4-Way**
- Auto Mode
- Minimum Heat Mode
- Auto Restart/Reset
- Power Diffuser**

Built In Filtration

Long-life+ Ion Deodorization Filter
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

Apple-Catechin Filter
Dust, mold spores and micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated.

\+ The filter can be used for approximately 3 years if it is washed with water when dirty to restore it's surface action.

* Features vary by model and therefore standard wireless remote controls should be used with the models they are associated with.

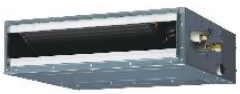
** Feature of models ASU18, 24RLF only.

Slim Duct 7, 9, 12, 18 and 24,000 BTUs

ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF

Multi
18, 24, 36,000 BTUs

ARU7, 9, 12RLF



ARU18RLF

ARU24RLF

	ARU7RLF Heat Pump NEW!	ARU9RLF Heat Pump	ARU12RLF Heat Pump	ARU18RLF Heat Pump	ARU24RLF Heat Pump
Nominal Cooling *BTU/h*	7,000	9,000	12,000	18,000	24,000
Nominal Heating *BTU/h*	8,100	10,200	13,500	20,000	27,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Recommended Static Pressure *In. W. C.*	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.20
Air Circ. *C.F.M. (m³/h) Clg/Htg*: Hi	323 (550)	353 (600)	383 (650)	554 (940)	783 (1,330)
Medium	288 (490)	324 (550)	353 (600)	518 (880)	730 (1,240)
Low	276 (470)	294 (500)	324 (550)	483 (820)	648 (1,100)
Quiet	259 (440)	265 (450)	283 (480)	442 (750)	607 (1,030)
Noise Level *dB(A)* (Clg/Htg): Hi	28/28	28/28	29/29	32/33	33/35
Medium	26/26	27/26	28/28	31/32	32/34
Low	25/25	26/25	27/27	30/31	30/32
Quiet	24/24	25/24	26/24	29/29	29/29
Running Current *Rated (A)*: Cooling	0.30	0.30	0.35	0.44	0.66
Heating	0.30	0.30	0.35	0.44	0.66
Power Use *Rated (W)*: Cooling	33	49	58	73	111
Heating	33	49	58	73	111
Fan Speeds *Stage*	4 + Auto	4 + Auto	4 + Auto	4 + Auto	4 + Auto
Air Filter	Washable	Washable	Washable	Washable	Washable
Connection Method	Flare	Flare	Flare	Flare	Flare
Conn. Pipe Diameter *Inch*	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4
Net Weight *lbs. (kg)*	37 (17)	41 (19)	41 (19)	50 (23)	59 (27)
Dimensions: Height *Inch (mm)*	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)	7-25/32 (198)
Width *Inch (mm)*	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	35-7/16 (900)	43-5/16 (1,100)
Depth *Inch (mm)*	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)	24-13/32 (620)
Supply Duct Flange Dimensions: Height *Inch (mm)*	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)	5-15/16 (151)
Width *Inch (mm)*	25-19/32 (650)	25-19/32 (650)	25-19/32 (650)	33-15/32 (850)	41-11/32 (1,050)
Depth *Inch (mm)*	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Return Duct Dimensions: Height *Inch (mm)*	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Width *Inch (mm)*	22 (559)	22 (559)	22 (559)	30 (762)	37-3/4 (959)
Depth *Inch (mm)*	3/4 (19) (Flat)	3/4 (19) (Flat)	3/4 (19) (Flat)	3/4 (19) (Flat)	3/4 (19) (Flat)
Refrigerant	R410A	R410A	R410A	R410A	R410A

Slim Duct

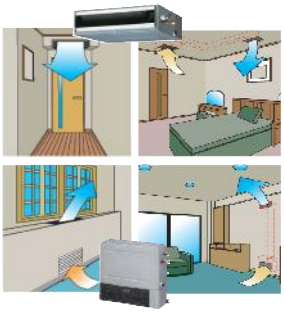
Adaptable when ceiling cavity is small and there is no slope for drain.

Traditional

Slim Duct

Flexible Installation

Horizontal or vertical*.



*Internal drain pump will not operate when the unit is mounted in a vertical configuration.

Standard Features

- Dry Mode
- Weekly Timer
- Sleep Timer*
- 24-Hour Timer*
- Minimum Heat Mode*
- Auto Mode
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Condensate Pump
- Fresh Air Intake

*Available only with optional wireless remote control.

Field Supplied Filters

Filters are sized to keep velocities and static pressure loss low. This will insure sufficient static pressure is available for ductwork, fittings and supply and return grilles. Alternative filter sizes with equivalent face areas can be used.

	ARU 7RLF	ARU 9RLF	ARU 12RLF	ARU 18RLF	ARU 24RLF
CFM	323	353	383	554	785
Typical Filter Size	12 x 20	12 x 20	12 x 20	14 x 25	18 x 30
Velocity, FPM	194	212	230	228	209
Unit External SP, in. W.C.	0.36	0.36	0.36	0.36	0.20
1" Fiberglass Filter					
SP Loss, in. W.C.	0.04	0.04	0.05	0.04	0.04
Available Static Pressure	0.32	0.32	0.31	0.32	0.16
1" MERV 8 Pleated Filter					
SP Loss, in. W.C.	0.10	0.12	0.14	0.14	0.12
Available Static Pressure	0.26	0.24	0.22	0.22	0.08
2" MERV 8 Pleated Filter					
SP Loss, in. W.C.	0.06	0.07	0.08	0.08	0.07
Available Static Pressure	0.30	0.29	0.28	0.28	0.13

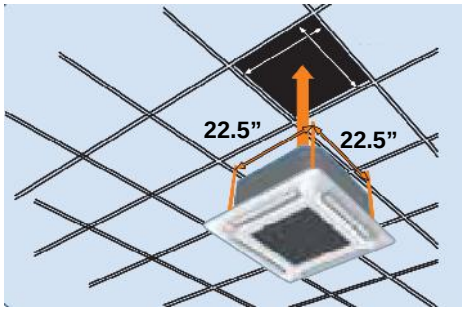
Halcyon HFI
Hybrid Flex Inverter

Compact Cassettes 7, 9, 12, and 18,000 BTUs

AUU7RLF, AUU9RLF, AUU12RLF, AUU18RLF

Easy Installation

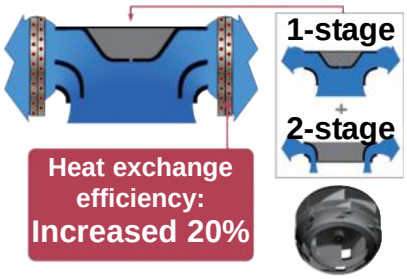
Fits into a standard ceiling tile*.



*Dimensions of outer grille are 27-9/16” x 27-9/16” and may overlap adjacent tiles.

2-Stage Turbo Fan

Air distribution is evenly spread across the heat exchanger by the new 2 stage turbo fan which produces two separate airflow streams.



Standard Features

- Sleep Timer
- Dry Mode
- Auto Louver: Up/ Down
- Quiet Mode
- Auto Restart/Reset
- Auto Changeover
- Remote Temperature Sensor
- High Ceiling Mode
- Condensate Pump
- 2-Stage Turbo Fan
- Minimum Heat Mode+
- Fresh Air Intake**

	AUU7RLF Heat Pump NEW!	AUU9RLF Heat Pump	AUU12RLF Heat Pump	AUU18RLF Heat Pump
Nominal Cooling *BTU/h*	7,000	9,000	12,000	18,000
Nominal Heating *BTU/h*	8,100	10,200	13,500	20,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Air Circ. *C.F.M. (m³/h)*: Hi	318 (540) Clg or Htg	318 (540) Clg or Htg	359 (610) Clg or Htg	441 (750) Clg 471 (800) Htg
Medium	288 (490) Clg or Htg	288 (490) Clg or Htg	312 (530) Clg or Htg	359 (610) Clg 418 (710) Htg
Low	259 (440) Clg or Htg	259 (440) Clg or Htg	277 (470) Clg or Htg	306 (520) Clg 353 (600) Htg
Quiet	230 (390) Clg or Htg	230 (390) Clg or Htg	241 (410) Clg or Htg	241 (410) Clg 265 (450) Htg
Noise Level *dB(A) Clg/Htg*: Hi	33/34	33/34	37/37	42/44
Medium	31/32	31/32	33/33	37/40
Low	29/29	29/29	31/31	33/37
Quiet	27/27	27/27	28/28	29/30
Running Current *Rated (A)*: Cooling	0.15	0.15	0.19	0.30
Heating	0.15	0.15	0.19	0.30
Power Use *Rated/Max (W)*: Clg	18	18	23	39
Heating	18	18	23	39
Fan Speeds *Stage*	4+auto	4+auto	4+auto	4+auto
Air Direction: Vertical	Automatic	Automatic	Automatic	Automatic
Air Filter	Washable	Washable	Washable	Washable
Front Grille	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*
Connection Method	Flare	Flare	Flare	Flare
Conn. Pipe Diameter *Inch*	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4
Net Weight *lbs. (kg)*	33 (15)	33 (15)	33 (15)	33 (15)
Chassis Dim: Height *Inch (mm)*	9-11/16 (245)	9-11/16 (245)	9-11/16 (245)	9-11/16 (245)
Width *Inch (mm)*	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Depth *Inch (mm)*	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)	22-7/16 (570)
Grille Dim: Height *Inch (mm)*	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)
Width *Inch (mm)*	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Depth *Inch (mm)*	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Refrigerant	R410A	R410A	R410A	R410A

+ Available only with optional wireless remote control.

**Requires Fujitsu’s Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection and a field supplied duct booster fan. Fresh air maximum is 10% of unit High fan CFM. See UTZ-VXAA Design and Technical Manual for fan static pressure requirements at Fresh Air Kit. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4” to the height of the indoor unit.

* Compact Cassette Grille UTG-CCGF sold separately. Must order one with each compact cassette.

Fresh Air Kit
UTZ-VXAA
Mixes room air then passes through the heat exchanger.

NEW!

Floor Mounted 9, 12, and 15,000 BTUs

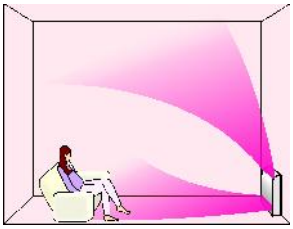
AGU9RLF, AGU12RLF, AGU15RLF

Multi 18, 24, 36,000 BTUs

At less than 24” high and 30” wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

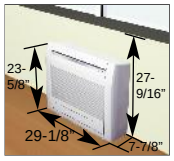
2-Fan and Wide Airflow

Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in “Upward Airflow Only” when occupants wish not to have feet warmed or cooled.

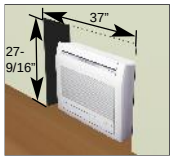


Flexible and Easy Installation

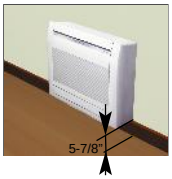
Beneath standard window



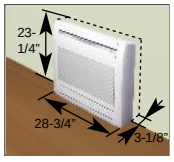
Standard concave portion



Wall



Half concealed*



*Field supplied parts required

Standard Features

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deoderizing Filter
- Sleep Timer
- 24-Hour Timer
- Auto Louver: Up/Down
- Auto Mode
- Minimum Heat Mode
- Economy Mode
- Auto Restart/Reset
- Auto Changeover
- Powerful Mode

Designer wireless remote control

	AGU9RLF Heat Pump NEW!	AGU12RLF Heat Pump NEW!	AGU15RLF Heat Pump NEW!
Nominal Cooling *BTU/h*	9,000	12,000	14,200
Nominal Heating *BTU/h*	12,000	16,000	18,000
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1
Air Circ. *C.F.M. (m³/h)*: Hi	312 (530)	353 (600)	383 (650)
Medium	259 (440)	288 (490)	306 (520)
Low	212 (360)	224 (380)	235 (400)
Quiet	159 (270)	159 (270)	159 (270)
Noise Level *dB(A)Clg/Htg*: Hi	39/39	42/42	44/44
Medium	34/34	36/38	38/39
Low	28/28	30/32	31/33
Quiet	22/22	22/22	22/22
Running Current *Rated (A)*: Cooling	0.15	0.18	0.20
Heating	0.15	0.18	0.20
Power Use *Rated (W)*: Cooling	16	18	23
Heating	16	18	23
Fan Speeds *Stage*	4+Auto	4+Auto	4+Auto
Air Direction: *Horizontal*	Manual	Manual	Manual
Vertical	Auto	Auto	Auto
Air Filter	Washable	Washable	Washable
Apple Catechin Filter	Yes	Yes	Yes
Ion Deoderizing Filter	Yes	Yes	Yes
Connection Method	Flare	Flare	Flare
Conn. Pipe Diameter *Inch*	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4
Net Weight *lbs. (kg)*	31 (14)	31 (14)	31 (14)
Dimensions: Height *Inch*	23-5/8	23-5/8	23-5/8
mm	600	600	600
Width *Inch*	29-1/8	29-1/8	29-1/8
mm	740	740	740
Depth *Inch*	7-7/8	7-7/8	7-7/8
mm	200	200	200
Refrigerant	R410A	R410A	R410A

Halcyon HFI Hybrid Flex Inverter

Multi-Zone Outdoor Units 18, 24 and 36,000 BTUs

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ

AOU36RLXFZ

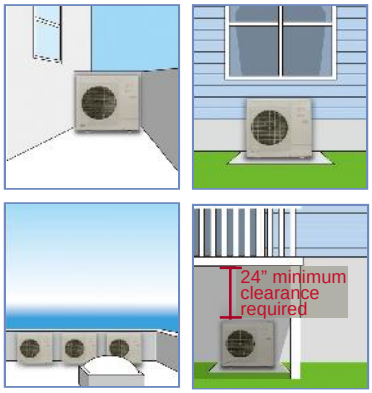
AOU18, 24RLXFZ

	AOU 18RLXFZ Heat Pump ASU9+ASU9	AOU 24RLXFZ Heat Pump ASU9+ASU7+ASU7	AOU 36RLXFZ Heat Pump ASU9 x 4	AOU 36RLXFZ 18+18 Combo[1] ASU18+ASU18
Connectable Indoor Unit *Number*	2	2 to 3	3 to 4	2[1]
Connectable Unit Capacity Class *BTU/h*	14 to 21,000[2]	14 to 27,000[2]	27 to 39,000[2]	36,000[1]
Rated Capacity Cooling/Heating *BTU/h*	18,000/22,000	22,000/24,000	35,200/36,400	31,600/35,800
Clg. Operating Range °F(°C)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	32 to 115 (0 to 46)	50 to 115 (10 to 46)
Htg. Operating Range °F(°C)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	14 to 75 (-10 to 24)	14 to 75 (-10 to 24)
Input Power: Clg/Htg Rated kW*	1.44/1.87	1.76/1.73	4.00/3.00	3.98/3.66
Voltage/Frequency/Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Current: Total Max. *(A)*	10.0	13.7	20.1	20.1
Minimum Circuit Ampacity *(A)*	13	17	25	25
MAX.CRT.BKR *(A)*	25	25	30	30
Outdoor Fan Airflow *CFM (Clg/Htg)*	1,795/1,619	1,942/1,942	2,119/2,237	2,119/2,237
Fan: Type x Quantity	Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling *dB(A)*	49	51	53	53
Sound Pressure Level Heating *dB(A)*	49	52	55	55
Pre-Charge Length Total *Ft (m)*	98 (30)	98 (30)	164 (50)	66 (20)
Max. Length Total *Ft (m)*	164 (50)	164 (50)	230 (70)	131 (40)
Max. Length Each *Ft (m)*	82 (25)	82 (25)	82 (25)	82 (25)
Min. Length Total *Ft (m)*	49 (15)	49 (15)	66 (20)	49 (15)
Min. Length Each *Ft (m)*	16 (5)	16 (5)	16 (5)	25 (7.5)
Max. Pipe Height Difference Between Outdoor Unit & Farthest Indoor *Ft (m)*	49 (15)	49 (15)	49 (15)	49 (15)
Max. Pipe Height Difference Between Indoor Units *Ft (m)*	33 (10)	33 (10)	33 (10)	33 (10)
Connection Method	Flare	Flare	Flare	Flare
Conn. Pipe Diameter *Inch*	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3	Liq. 3/8 x 2 Suc. 1/2 x 2[1]
Net Weight *lbs. (kg)*	119 (54)	124 (56)	149 (68)	149 (68)
Dimensions: Height *Inch*	27-9/16	27-9/16	32-11/16	32-11/16
mm	700	700	830	830
Width *Inch*	35-7/16	35-7/16	35-7/16	35-7/16
mm	900	900	900	900
Depth *Inch*	13	13	13	13
mm	330	330	330	330
Refrigerant	R410A	R410A	R410A	R410A

[1]18+18 is the only 2 indoor unit (ASU, ARU or AUU) combination and requires K9FZ1818.
[2]See Design & Technical Manual for allowed combinations within this connectable capacity range.

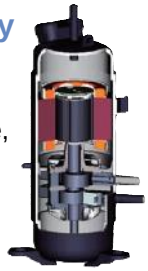
Compact Size

The compact size of the outdoor units allows for many installation opportunities.



DC Twin Rotary Compressor

A high performance, low noise, large capacity DC twin rotary compressor is used.



Nominal Capacities, SEER and HSPF Ratings

Data below is based on AHRI 210/240 non-ducted wall mounted models.

Model	Indoor Unit		Cooling Capacity Btu/h	EER	SEER	Heating Capacity Btu/h		COP	HSPF
	Type	Combination	95°F			47°F	17°F	47°F	
AOU18RLXFZ	Non-Ducted	ASU9+ASU9	18,000	12.50	18.0	22,000	13,900	3.44	9.3
	Ducted	-	18,000	12.10	16.0	22,000	13,900	3.52	9.0
	Mixed	-	18,000	12.30	17.0	22,000	13,900	3.48	9.2
	Specific	ASU7+ASU12 and ASU9+ASU12	18,000	12.50	18.0	22,000	13,900	3.67	9.0
AOU24RLXFZ	Non-Ducted	ASU9+ASU7+ASU7	22,000	12.50	18.0	24,000	14,100	4.04	9.5
	Ducted	-	22,000	10.60	15.5	24,000	14,100	3.42	9.0
	Mixed	-	22,000	11.55	16.8	24,000	14,100	3.74	9.3
AOU36RLXFZ	Non-Ducted	-	35,200	8.80	16.0	36,400	22,000	3.56	9.4
	Ducted	-	33,800	8.10	14.5	36,400	21,200	3.08	8.7
	Mixed	-	34,400	8.45	15.3	36,400	21,600	3.32	9.1

Yellow rows represent models that are ENERGY STAR® Qualified.

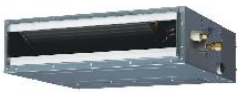
Allowable Combinations for AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ

52 Combinations Based on BTU

Over 2028 Combinations Based on Indoor Type and BTU

Multi
18, 24, 36,000 BTUs

ASU7RLF1, ASU9RLF1, ASU9RLS2, ASU12RLF1, ASU12RLS2, ASU15RLS2, ASU18RLF, ASU24RLF



ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF

AUU7RLF
AUU9RLF
AUU12RLF
AUU18RLF

AGU9RLF
AGU12RLF
AGU15RLF

AOU18RLXFZ
AOU24RLXFZ
AOU36RLXFZ

BTU Capacity	7,000	9,000	12,000	15,000	18,000	24,000

= Allowed "Connectable Capacity" combinations between 100 and 130%

AOU18RLXFZ

2 ROOMS	7	7		14
	7	9		16
	7	12		19
	9	9		18
	9	12		21

AOU24RLXFZ

3 ROOMS	7	7	-	14
	7	9	-	16
	7	12	-	19
	7	15		22
	7	18		25
	9	9	-	18
	9	12		21
	9	15		24
	9	18		27
	12	12		24
	12	15		27
	7	7	7	21
	7	7	9	23
	7	7	12	26
	7	9	9	25
	9	9	9	27

AOU36RLXFZ

4 ROOMS	18*	18*			36
	7	7	15	-	29
	7	7	18	-	32
	7	7	24		38
	7	9	12	-	28
	7	9	15	-	31
	7	9	18		34
	7	12	12	-	31
	7	12	15		34
	7	12	18		37
	9	9	9	-	27
	9	9	12	-	30
	9	9	15		33
	9	9	18		37
	9	12	12		33
	9	12	15		36
	9	12	18		39
	12	12	12		36

AOU36RLXFZ

4 ROOMS	12	12	15		39
	7	7	7	7	28
	7	7	7	9	30
	7	7	7	12	33
	7	7	7	15	36
	7	7	7	18**	39
	7	7	9	9	32
	7	7	9	12	35
	7	7	9	15	38
	7	7	12	12	38
	7	9	9	9	34
	7	9	9	12	37
	9	9	9	9	36

Remember: These systems ***do not*** require branch boxes or separation tube assemblies.

*The optional kit "K9FZ1818 (UTP-MU36A2)" is necessary for dual zone system "18+18". **Wall mounted type ASU18RLF can not be connected in this combination. "-" represents available circuit for future expansion when connecting this combination.

Line Set Sizes and Lengths

Multi / Flex Zone Models

	ASU7RLF	ASU9RLF	ASU9RLS2	ASU12RLF	ASU12RLS2	ASU15RLS2	ASU18RLF	ASU24RLF	AGU9RLF	AGU12RLF	AGU15RLF	ARU7RLF	ARU9RLF	ARU12RLF	ARU18RLF	ARU24RLF	AUU7RLF	AUU9RLF	AUU12RLF	AUU18RLF	ASU18RLF x 2*	AGU18RLF x2*	ARU18RLF x 2*	AUU18RLF x 2*	AOU18RLXFZ	AOU24RLXFZ	AOU36RLXFZ	AOU36RLXFZ (18+18)
1/4" x 3/8"	●	●	●	●	●				●	●		●	●	●			●	●	●										
1/4" x 1/2"						●	■				●				●					●									
1/4" x 5/8"								■								●													
3/8" x 1/2"																					●		●	●					
3/8" x 5/8"																													
Total System Max. Combined Pipe Length ft (m)																									165 (50)	165 (50)	230 (70)	131 (40)	
Min. Combined Pipe Length ft (m)																									49 (15)	49 (15)	66 (20)	49 (15)	

Each Indoor Unit Minimum and maximum pipe lengths for multi-zone units are found on page 10.

*18+18 is the only 2 indoor unit combination allowed for AOU36RLXFZ and requires kit K9FZ1818.

■ While these systems share indoor units, different line sizes are required.

Halcyon HFI
Hybrid Flex Inverter

Optional Accessories

Remote Controls

Wired Remote Controller*
UTY-RNNUM^

The wired remote controller with its unique lock function and sleek design provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

Simple Remote Controller
UTY-RSNUM*

Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants.

Wireless Remote Controller
UTY-LNHUM

For spaces where there is just no place to mount the wired remote.

Remote Sensor
UTY-XSZX

Wall mounted temperature sensor for slim duct models.

Receiver Unit
UTY-LRHUM

Includes a wireless remote control.

Interface Kits

Interface Kit
UTY-TWBXF1**

Required to connect the ASU9RLS2, ASU12RLS2 and ASU15RLS2 to Wired Remote UTY-RNNUM, Dry Contact Wire Kit UTY-XWZXZ5, and Simple Remote Control UTY-RSNUM.

Interface Kit
UTY-XCBXZ2**

Required to connect ASU7RLF1, 9RLF1, 12RLF1 to Wired Remote UTY-RNNUM, Dry Contact Wire Kit UTY-XWZX, and Simple Remote Control UTY-RSNUM.

Dry Contact Wire Kit*
UTY-XWZX / UTY-XWZXZ5

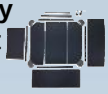
Turns system on or off using a normally closed circuit, for example in home automation or BMS integration of only On/Off operation, occupancy sensor or key card switch or lead-lag control of other heating/cooling.

Slim Duct Connector Kit
UTD-ECS5A

Comes with 5 sets of wires. Can be used to turn unit on/off, wire in float switch, AUX heater, turn on an external device (Fan), or show if the unit is running.

Miscellaneous

High Humidity Insulation Kit
UTZ-KXGC



Additional insulation for compact cassette units, which may be needed when they are installed in high humidity areas.

Fresh Air Intake Kit
UTZ-VXAA

Mixes room air then passes it through a heat exchanger.

Air Outlet Shutter Plate
UTR-YDZB

In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required.

18+18 Combo Fittings Kit
K9FZ1818

Allows two 18,000 BTU indoor units to be used on an outdoor AOU36RLXFZ. Requires special piping; limited to only 18,000 BTU models. Total BTU capacity is limited to 35,800 BTU.

Auto Louver Grille Kit*
UTD-GXSA-W (for ARU9/12)
UTD-GXSB-W (for ARU18)
UTD-GXSC-W (for ARU24)

Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be connected either directly to indoor unit or through the rectangular duct.

** Only compatible with ARU models with serial numbers greater than 2000.*

Compatibility:

- **Small Wall Mount** — 7, 9, 12k BTU / RLF1 Series
- **Designer Wall Mount** — 9, 12, 15k BTU / RLS2 Series
- **Large Wall Mount** — 18, 24k BTU
- **Compact Cassette** — 7, 9, 12, 18k BTU
- **Slim Duct** — 7, 9, 12, 18, 24k BTU
- **Floor Mount** — 9, 12, 15k BTU

^ Minimum Heat, Sleep Timer functions will be lost when the wired remote controller is installed.
* Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit (Part UTY-XCBXZ2) in order to connect this device to them. Wall mounted ASU9, 12, and 15RLS2 require accessory interface kit (Part UTY-TWBXF1) in order to connect this device to them.
** Internal thermosensor function in Wired Remote UTY-RNNUM is disabled when using this interface kit.

Halcyon HFI Hybrid Flex Inverter

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